¼ DIN Temperature Controllers

CN730 Series

$108
All Models

1 YEAR WARRANTY · UL · CE

- ✔ Dual Display
- ✔ Autotune
- ✔ RS485 Communications
- ✔ Free Software
- ✔ Alarm Functions
- ✔ Thermocouple/ RTD Inputs
- ✔ Output Status

The CN730 Series ¼ DIN temperature controllers offer easy-to-use programming menus designed for quick installation. Control functions include ON/OFF, PID, auto-tuning or manual tuning. The CN730 Series is available with relay, dc pulse or current output with two additional alarm outputs. The alarm outputs can be configured from 12 different preprogrammed settings. The CN730 Series accepts a variety of thermocouple and RTD inputs. Process value and set-point value are simultaneously displayed with the process value in red and setpoint in green.

Panel punches available, visit omega.com/panelpunches

CN733, $108, shown smaller than actual size.

Specifications
Inputs: Thermocouple or RTD, see chart
Display: Two 4-digit, 7-segment, LEDs
  PV: Red, 19 mm H (0.75")
  SV: Green, 12.7 mm H (0.5")
Accuracy: ±0.25% span, ±1 least significant digit
Supply Voltage: 100 to 240 Vac, 50/60 Hz
Power Consumption: 5 VA max
Operating Temperature: 0 to 50°C (32 to 122°F)
Memory Backup: Nonvolatile memory
Control Output Ratings:
  Relay: SPST, 5A @ 250 Vac resistive
Voltage Pulse: 14V, 10 to -20% (max 40 mA)
Current: 4 to 20 mA
Communication: RS485 MODBUS® communication protocol
Panel Cutout: ¼ DIN, 92 mm² (3.622 in²)
Dimensions: 96 x 96 x 15.8 mm bezel (3.78 x 3.78 x 0.625")
Panel Depth: 79.2 mm (3.125")
Weight: 425 g (15 oz)
Front Panel Rating: IP66

Input Types	Range
Pt100Ω RTD	0 to 100°C (32 to 212°F) -20 to 500°C (-4 to 932°F) -200 to 600°C (-328 to 1112°F)
Thermocouple Type B	100 to 1800°C (212 to 3272°F)
Thermocouple Type S	0 to 1700°C (32 to 3092°F)
Thermocouple Type R	0 to 1700°C (32 to 3092°F)
Thermocouple Type N	-200 to 1300°C (-328 to 2372°F)
Thermocouple Type E	0 to 600°C (32 to 1112°F)
Thermocouple Type T	-20 to 400°C (-4 to 752°F) -200 to 400°C (-328 to 752°F)
Thermocouple Type J	-20 to 400°C (-4 to 752°F) -100 to 850°C (-148 to 1562°F)
Thermocouple Type K	-200 to 1300°C (-328 to 2372°F) -200 to 500°C (-328 to 932°F)
Thermocouple Type L	-200 to 500°C (-328 to 932°F)
Thermocouple Type U	-200 to 800°C (-328 to 1472°F)

IN STOCK FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
CN733	$108	Relay output, with RS485 communications*
CN732	108	DC pulse output, with RS485 communications*
CN735	108	4 to 20 mA output, with RS485 communications*

Accessories (Field Installable)

Model No.	Price	Description
CNQUENCHARC	$8	Noise suppression kit, 110 to 230 Vac
CN7-485-USB-1	82	RS485 to USB mini-node converter
DPP-6	575	¼ DIN panel punch
GE-2117	23	Reference Book: Controller Tuning/PID

* Free CN7-A software download available on omega.com/cn730
Comes complete with operator's manual.
Ordering Example: CN733, *single output controller, mechanical relay, RS485 communications, **$108.***

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